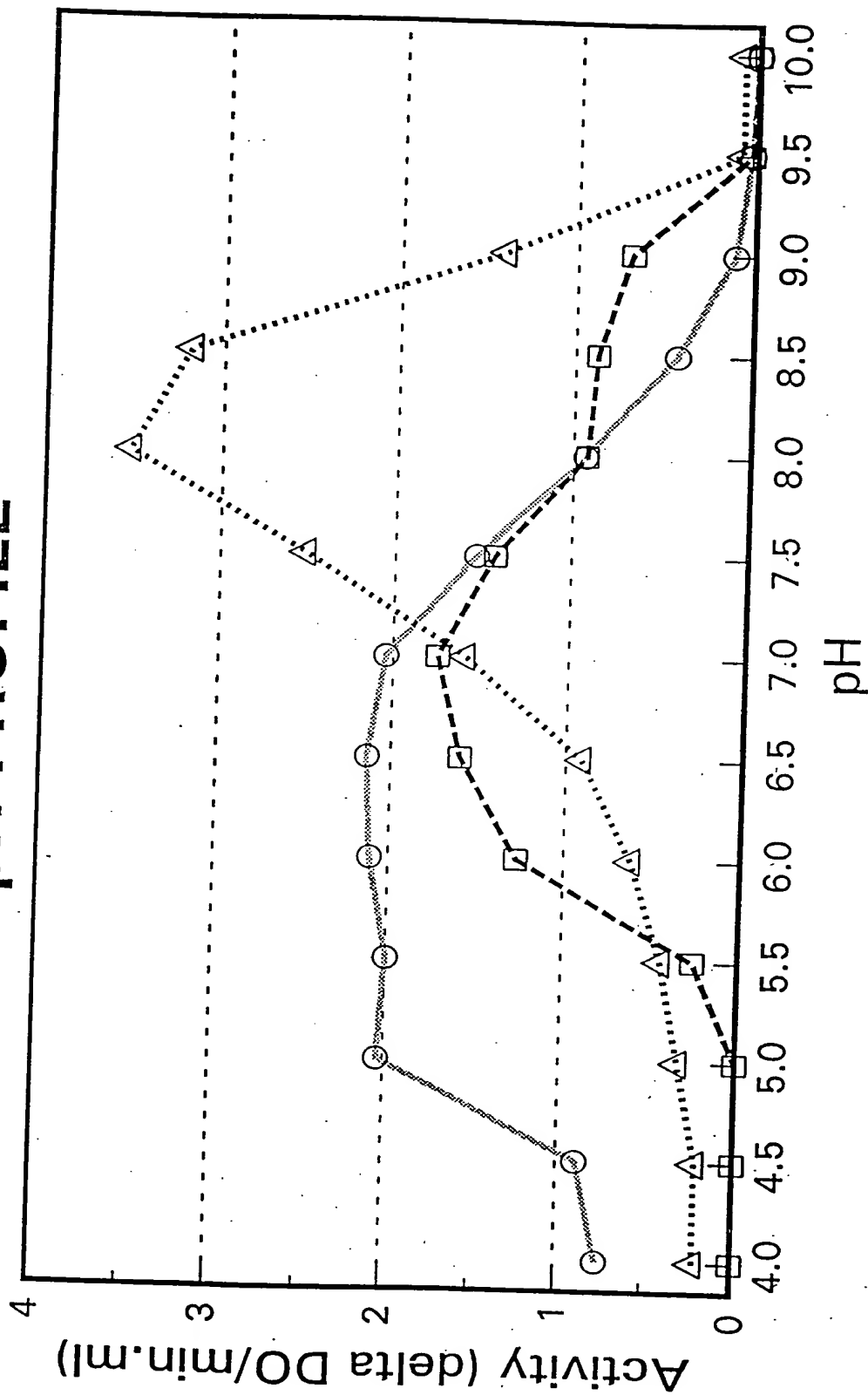


pH PROFILE



ABTS Syringaldazin 2,6 dimetoxyphehol

—○— —□—△.....

FIGURE 1

66220" 2592250 pH PROFILE

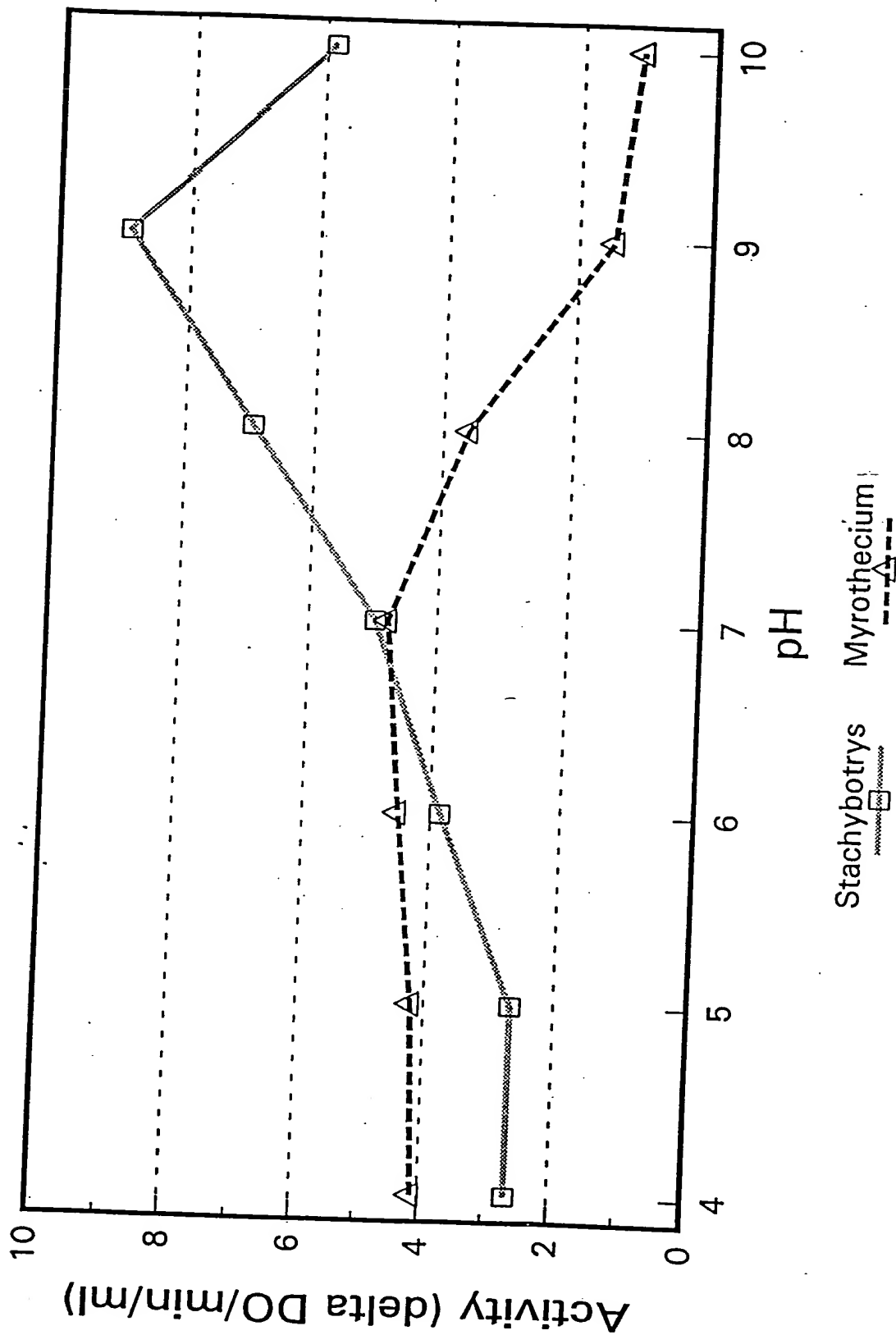


FIGURE 2

08273957 032209

LAMP-1

LAMP-2

21.5

22.0

97

66

64

80

21.5

12.3

FIGURE 3

570 580 590 600 610
 biliru/oxidas MMAAFNATVLPDYGYNATVFDPMELWQARPYELGEFQAQSGQ--FSVQAVT
 mpf-A(part).p TTPSFDGQIRDARQGRDSTALKA--EI--PKAYATAQEKPVVQDVYNQALGT
 St. ch.

biliru/oxidas
 mpf-A(part).p
 St. ch.

66220 2562200

FIGURE 4B

10 20 30 40 50 60 70
 biliru/oxidas MFKHTLGAALSLFFNSNAVQASPVETSPATGHLFKRVAQISQVPMFTVPLPIPPVKQPRLTIVNPNV 70
 mpf-A(part).p A-----KGFMTGAKVQARVVMEP-----HMYGLPIQARKGTPTRLKFVNLLPGGRAETTVGADGK 55
 St. ch. -----1

80 90 100 110 120 130 140
 biliru/oxidas GQEIWYVEIKPFTHQV-YPDLGSADLVGYDGMSPGPTFQ---VPRGVETV---VRFINNAEAPNSVH 132
 mpf-A(part).p VQVTARNGDIFLPLDKSAHAGLPGDGFTEFTQNRSNHLHGDDTPWISDGTPHQWITPIEEANAANPKA 125
 St. ch. -----1

150 160 170 180 190 200 210
 biliru/oxidas LHG-----SFSRAAFDGMADITEPGS-FKDYYPNQRSARTLWYHDHAMHITAENAYRGQAGLYM 192
 mpf-A(part).p LVNQGDPEFLPSFLRGASQNVDPMPDPCAGASTYTFPNGQSARMLWYHDHTIGVTRLNVYAGMAAVYT 195
 St. ch. -----DYYFPNYQSARLLXYHDA 19

220 230 240 250 260 270 280
 biliru/oxidas LTDPADALNLPSCYGEFD-----IPMILTskQYTANGNLVTTNGELNSFWG-----DVI 242
 mpf-A(part).p LGDEVDDQLTGKTGGALNKVLPPEADTIPLVLTDRTFVPADVALQDARWNTSAWGGESDSWFPVHYETV 265
 St. ch. -----19

290 300 310 320 330 340 350
 XXXXX XXXX XXXXXXXXXXXXXXXX XXXXX XXXXX XXXXX XX
 biliru/oxidas HVNQQPWPFKNVEPRKYRFRF---LDAVSRSGFLYFADTDADITRLPFKVIAS---DSGLLEHPADTSL 306
 mpf-A(part).p QDPNQMGFNSVGRWHWGFVFWPVPAMYDLPSGEYGDVTVTPAAMDTPLVNGVAYPTIELDPKVYRMK 335
 St. ch. -----19

360 370 380 390 400 410 420
 biliru/oxidas LYISMAERYEVWFDSDYAGKTIELNLGSGIGIGTDTDYDNT---DKVMRFVADDTIQPDTSVVPAN 373
 mpf-A(part).p VLNASNDRFFNISLFWADEAQRLNDPLGCGATEVKMVDAAVSATPCAAGVTRAVVATDGSYCTPETWPTD 405
 St. ch. -----19

430 440 450 460 470 480 490
 biliru/oxidas LRDVFPSPPTINTPQFRFGRTGPTWT-INGVAFADVQNR-LANVPVGTVERWELINAGNGWTHPIIH 441
 mpf-A(part).p NRPGGVSPAAQGPSFFQIANEGGLLPKVAEIAPTPVGYQLDKGRITVLNVLTTGLYLGAERAD-VLVD 474
 St. ch. -----19

500 510 520 530 540 550 560
 biliru/oxidas LVDFK---VISRTSGNNARTVMPYESGLKDVVWLGRRETVVVEAH---YAPFPGVYMFHCHNLIHEDHD 504
 mpf-A(part).p LSAYAGKTLIVNDSGAPVPAGDPRNDYFTAVG---DQSDAGGAEDTKPGYGPNTTRTM-----QIKVRAAI 538
 St. ch. -----RGQVMPYESHGLK 19

FIGURE 4A

GTCAATATGCTGTTCAAGTCATGGCA	GCAGCAGCCTCGGGCTCTGCTGCTGGAGTCTCGG	CGATGGACAACGGCAGCCAC	90
M L F K S W Q L A A A S G L L S G V L G I P M D T G S H			28
CCCATGAGGCTGTTGATCCCGAAGTGAAGACTGAGGCTCTGGCTGACTCCCTCTTCTGTCAGCAGGCGATGACGACTGGGAGTCACT			180
P I E A V D P E V K T E V F A D S L L A A A G D D D W E S P			58
CCATACAACCTTGCTTTACAGGAATGCCCTGCCAATTCCACTGTCAAGCAGCCCAAGATGATCATTACCAACCTGTCAACGGCAAGGAC			270
P Y N L L Y R N A L P I P P V K Q P K M I I T N P V T G K D			88
ATTGGTACTATGAGATCGAGATCAAGCCATTTCAGCAAGGATTTCACCCACTTGGCCCTGGCACTCTCGTGGCTACGATGGCATG			360
I W Y Y E I E I K P F Q Q R I Y P T L R P A T L V G Y D G M			118
AGCCCTGGTCTACTTTCAATGTTCCAGAGGAACAGAGACTGTAGTTAGGTTTCATCAACAATGCCACCGTGGAGAACTCGGTCCATCTG			450
S P G P T F N V P R G T E T V V R F I N N A T V E N S V H L			148
CACGGCTCCCATCGCGTGGCCCTTTGATGGTTGGCTGAAGATGTGAACCTTCCTGGCGAGTACAAGGATTACTACTTTCCCAACTAC			540
H G S P S R A P F D G W A E D V T F P G E Y K D Y Y F P N Y			178
CAATCCGCCCGCCTTCTGTGGTACCATGACCAGCTTTTCATGAAGACTGCTGAGAATGCCACTTTTGGTCAGGCTGGCCCTACATTATC			630
Q S A R L L W Y H D H A F M K T A E N A Y F G Q A G A Y I I			208
AACGAAGAGGCTGAGGATGCTCTCGGCTCTTCTAGTGGCTATGGCGAGTTGATATCCCTCTGATCTGACGGCCAACTACTATAACGCC			720
N D E A E D A L G L P S G Y G E F D I P L I L T A K Y Y N A			238
GATGGTACCTGCGTTGACCGAGGGTGAGGACCAGCACTGTGGCGAGATGTATCCATGTCAACGGACAGCCATGGCCCTTTCTCTAAC			810
D G T L R S T E G E D Q D L W G D V I H V N G Q P W P F L N			268
GTCCAGCCCCGCAAGTACCGTTTCGATTCCTCAACCGTGGCGTGTCTCGTCTTGGCTCTCTACCTGCTCAGGACAGCTCTCCCAAC			900
V Q P R K Y R F R F L N A A V S R A W L L Y L V R T S S P N			298
GTCAGAACTCTTTCCAAGTCATTGCCCTCTGATGCTGGTCTCTCTTCAAGCCCCGTTCAAGCTCTAACTCTACCTTCTGTTGGCGAG			990
V R I P F Q V I A S D A G L L Q A P V Q T S N L Y L A V A E			328
CGTTACGAGATCATTATGACTTCACCAACTTTGCTGGCCAGACTCTTGACCTGGCCAACTTCTGCTGAGACCAACGATGTCCGGACCGAG			1080
R Y E I I I D F T N F A G Q T L D L R N V A E T N D V G D E			358
GATGAGTACGCTCGCACTCTCGAGGTGATGGCTTCTGCTGCTGACCTCTGGCACTGTTGAGGACAACAGCCAGGTCGCCCTCCACTCTCCGT			1170
D E Y A R T L E V M R F V V S S G T V E D N S Q V P S T L R			388
GACGTTCTTTTCCCTCTCACAAGGAAGGCCCCCGCCGACAAGCACTTCAAGTTTGAACCGAGCAACGGCACTACCTGATCAACGATGTT			1260
D V P F P P H K E G P A D K H F K F E R S N G H Y L I N D V			418
GGCTTTGGCGATGTCAATGAGCGTGTCTGGCCAAAGCCGAGCTGGCCACCGTTGAGGCTCTGGAGCTCGAGAATCTCTGGAGGCTGG			1350
G F A D V N E R V L A K P E L G T V E V W E L E N S S G G W			448
AGCCACCCCGTCCACATTCACCTTGTGTGACTTCAAGATCTCAAGCGAAGTGGTGGTCTGGCCAGGTCATGCCCTACGAGTCTGCTGGT			1440
S H P V H I H L V D F K I L K R T G G R G Q V M P Y E S A G			478
CTTAAGGATGTCGCTCTGGTTGGCCAGGGTGAGACCTGACCATCGAGGCCCACTACCAACCTGGACTGGAGCTTACATGTGGCACTGT			1530
L K D V V W L G R G E T L T I E A H Y Q P W T G A Y M W H C			508
CACAACCTCATTACAGAGGATAACGACATGATGGCTGTATTCAACGTCAACGCCATGGAGGAGAAGGGATATCTTCAGGAGGACTTCCAG			1620
H N L I H E D N D M M A V F N V T A M E E K G Y L Q E D F E			538
GACCCCATGAACCCCAAGTGGCGCGCGTTCTTACAACCGCAACGACTTCCATGCTCGCGCTGGAACTTCTCCCGCGAGTCCATCACT			1710
D P M N P K W R A V P Y N R N D F H A R A G N F S A E S I T			568
GCCCGAGTGCAGGAGCTGGCCGAGCAGGAGCCGTACAACCGCCTCGATGAGATCTGGAGGATCTTGGAAATCGAGGAGTAA			1791
A R V Q E L A E Q E P Y N R L D E I L E D L G I E E			594

Figure # 5

CTGGCTAGOC	TCACITGGTA	GAAAGCCCTG	ACAGCCTCAC	TGGCTGGGGG	TGAAAGGOC	AGTCAATATC	TTGGTCACTG	80
CTAATAGTTC	CTTGCTACGC	GCAAAAAGCT	CCTTGGCGAA	GGGGCACAGA	CTATCAAGTG	AGACATATAG	GATGCATGTC	160
TTTCATAGOC	ACAGTITAGGG	TGGTIGACCTA	CTCGAAGAGG	CCCCGACTTG	CATGCATACG	ACATGTGCGT	TCCATGCAAC	240
ATGTATGOGC	ACATCGGGGA	TCAGGCACOC	TCTGCATGCA	GAATAGAAOC	CCCCITGGITT	OCTTTTGTITT	CTTTTCTTTT	320
CTCAACGAOG	CGTGAGOGTG	GTTAACCTTGA	GCAAGGCGGA	GTGGTCTGTT	CACGAGGTTA	CCATCGAACT	CTCTTCTTTT	400
CCAATCATGA	CCTGCCCCOC	GAGTITTAGCC	CCCATCAOGG	CTGTGAAATC	CACCTTGGATA	ATCCTAGCCT	AGTGCTACTC	480
TTCAATAGTIT	GCTCCTGATG	GGGCACITTTG	GTACACATTGC	CTTGGTITYCT	CCTACCTOGT	TCTCTTCCGC	ATCAAGCCTC	560
TATGCCCCGAC	GACAACACCT	CATTTGGCCCG	GACCACTTTG	AGCGGCGACG	CACCTTGGCG	CCGAAGGAGT	TGATAACACC	640
CTTCACCCCTT	GCCCAATGAT	GGAGTITTTGG	TCTATTITGTC	ATGATCACCT	CACATTCACT	AGATCACGGA	TCTTGGGAAG	720
GGGTGTGGAA	GOCAGACCCAG	CTTGTCCCTG	TTCTTTCGAGA	CTCAGGTTCAG	CTCCTAGCGG	CTATCACAGC	TCAGGATTIAT	800
CAAGTCCCGT	AAAGTCCAGA	COCTTTTTCAT	TGTATGATGC	TGCCAATTTT	GCGCTATCTC	TATGCCGTAG	CAGCCGTCITT	880
GGCTACAACT	GGCTGCCATG	GCTGAAGCAT	CGTGAGATCT	ATAAAGGTCT	CCGAATCCTC	GGTGAAGTCA	GAATCGTCTC	960
TCCACACGAG	TCAACAACAA	GCTTCTTTTCT	CTTACAGCTT	AGCCTGAGCA	CATTTCACAGA	ACTCTTCCCT	TCTTTTTOGTC	1040
AATATGCTGT	TCAAGTCATG	GCAACTGGCA	GCAGCCTCCG	GGCTCCTTGC	TGGAGTCTCT	GGCATCCCGA	TGGACACCGG	1120
CAGCCACCCC	ATTGAGGCTG	TTGATCCCGA	AGTGAAGACT	GAGGTCTTTC	CTGACTCCTT	OCTTGTCTGA	GCAGGCGATG	1200
ACGACTGGGA	GTACCTTCCA	TACAACCTTGC	TTTACAGGTT	AGACACCTGT	CCCACTGTIT	TTCCCTCGAT	AACTAACTCT	1280
TATAGGAATG	COCTGCCAAT	TCCACCTGTC	AAGCAGCCCA	AGATGTATGT	CTTTGATTTT	CTACGAAGCA	ACTCGGCCCT	1360
GACTAATGTA	TTCTAGGATC	ATTACCAACC	CTGTACCCGG	CAAGGACATT	TGGTACTATG	AGATCGAGAT	CAAGCCATTT	1440
CAGCAAAGGG	TGAGTTTGTCT	CAGAAACCTT	GTGGTAATTA	ATCATTTGTTA	CTGACCCITT	CAGATTTTACC	CCACCTTGGG	1520
COCTGCCACT	CTCGTGGGCT	ACGATGGCAT	GAGCCCTGGT	OCTACTTTTCA	ATGTTCCCGA	AGGAACAGAG	ACTGTAGTTA	1600
GGTTCATCAA	CAATGCCACC	GTGAGAACT	CGGTCCATCT	GCACGCTCOC	CCATGCGGTG	COCTTTTCCA	TGGTTGGGCT	1680
GAAGATGTGA	OCTTCCCTGG	CGAGTACAAG	GATTACTACT	TTCCCAACTA	CCAATCCGCC	CGCTTCTGCT	GGTACCATGA	1760
CCACGCTTTC	ATGAAGGTAT	GCTACGAGCC	TTTATCTTTC	TTGGCTACCT	TTGGCTAACC	AACTTCCTTT	CTGAGACTGC	1840
TGAGAATGCC	TACTTTGGTC	AGGCTGGGCG	CTACATTATC	AACGACGAGG	CTGAGGATGC	TCTCGTCTTT	CCTAGTGGCT	1920
ATGGCGAGTT	CGATATCCCT	CTGATCCTGA	CGGCCAAGTA	CTATAACGCC	GATGGTACCC	TGCGTTCCGAC	CGAGGGTGAG	2000
GACCAGGACC	TGTGGGGAGA	TGTATCCAT	GTCAACGGAC	AGCCATGGCC	TTTCCTTTAA	GTCCAGCCCC	GCAAGTACCG	2080
TTTCCGATTC	CTCAACGCTG	COGTGTCTCG	TGCTTGGCTC	CTCTACCTCG	TCAGGACCAG	CTCTCCCAAC	GTCAAGATTTC	2160
CTTTCCAAAGT	CATTGCCCTCT	GATGCTGGTC	TCCTTCAAGC	CCCCGTTTCA	ACCTCTAACC	TCTACCTTGC	TGTTGCCGAG	2240
CGTTACGAGA	TCATTATTGG	TATGCCCTCC	OCTCTCACGA	ATGAGTCAAG	AACTCTAAGA	CTAACACTTG	TAGACTTTCAC	2320
CAACTTTGCT	GGCCAGACTC	TTGACCTGGG	CAACGTTGCT	GAGACCAACG	ATGTCCGGCA	CGAGGATGAG	TACGCTCCGA	2400
CTCTCGAGGT	GATGCGCTTC	GTGTCAGCT	CTGGCACTGT	TGAGGACAAC	AGCCAGGTCC	OCTCCACTCT	CCGTGACGTT	2480
OCTTTCCCTC	CTCACAAGGA	AGGCCCCGCC	GACAAGCACT	TCAAGTTTGA	ACGCAGCAAC	GGACACTACC	TGATCAACGA	2560
TGTTGGCTTT	GCCGATGTCA	ATGAGCGTGT	CCTGGCCAAG	CCCGAGCTCG	GCACCGTTGA	GGTCTGGGAG	CTCGAGAACT	2640
CCTCTGGAGG	CTGGAGCCAC	CCCGTCCACA	TTCACTTGT	TGACTTCAAG	ATCCTCAAGC	GAAGTGGTGG	TGTTGGCCAG	2720
GTCAATGCCCT	ACGAGTCTGC	TGGTCTTAAAG	GATGTCTGCT	GGTTGGGCGAG	GGGTGAGACC	CTGACCATCG	AGGCCCACTA	2800
CCAACCCCTGG	ACTGGAGCTT	ACATGTGGCA	CTGTCAACAAC	CTCATTCACG	AGGATAACGA	CATGATGGCT	GTATTCAACG	2880
TCACCGCCAT	GGAGGAGAAG	GGATATCTTC	AGGAGGACTT	CGAGGACCCC	ATGAACCCCA	AGTGGCGCGC	CGTTCCTTAC	2960
AACCGCAACG	ACTTCCATGC	TGCGGCTGGA	AACTTCTCCG	CCGAGTCCAT	CACCTGCCCGA	GTGCAAGGAGC	TGGCCGAGCA	3040
GGAGCCGTAC	AACCGCCTCG	ATGAGATCCT	GGAGGATCTT	GGAATCGAGG	AGTAAACCCC	GAGCCACAAG	CTCTACAATC	3120
GTITTTGAGTC	TTAAGACGAG	GCTCTTGGTG	CGTATTTCTT	TCTTCCCTTAC	GGGGAACCTC	GCTGTCCACT	GCGATGTGAA	3200
GGACCATCAC	AAAGCAACGT	ATATATTGGA	CTCACCACCT	TCATTACCGC	CCACTTGTAC	CTATTGCAAT	CTTGTTCAAA	3280
CTTTTCTAGT	GCGAGAGTGT	CCATAGTCAA	GAAACGCCCA	TAGGGCTATC	GTCTAAACTG	AACTATTGTG	TGGTCTGTGA	3360
CGTGGAGTAG	ATGTCAATTG	TGATGAGACA	CAGTAAATAC	GGTATATCTT	TTCTTAGGAC	TACAGGATCA	GTTTCTCATG	3440
AGATTACATC	CGTCTAATGT	TTGTCCATGA	GAGTCTAGCT	AAGGTTGAGA	ATGCATCAGA	CGGAATCAAT	TGATGCTCTC	3520
AGCTCGTATT	ACCGATGTAA	GACAAGTTAG	GTAAGTTGCT	TGGTATCCGA	AAATGACTCA	GGCTCCCTCA	TTAGGTTGCA	3600
TGTGAAAACC	TTCAGCAACT	CATGGGTGTT	GGGACCAAAT	CATCCATACC	TGATTTTGTAT	AACTGACCTG	GGTCAAT	3677

Figure 8 6

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1MFKHILGAAALSLLFNSNAVQA.SVPETSAHLFKRV 39
1 MLFKSWQLAAASGLLSGLVIGIPMDTGSHPIEAVDPEVKTEVFADSLIAAA 50
40 AQISPOQYPMFTV....PLPIPVKQPRLTVINPANGQETIWWYEVEIKPFT 85
51 GDDWESPPYNLLYRNALPIPPVKQPKMLITNPVTGKDIWYETEIKPFQ 100
86 HQVYPDLGSADLVGYDGMSPGPTFQVPRGVETVWRFINNAEAFNSVHLHG 135
101 QRIYPTLRPATLVGYDGMSPGPTFNVPRGTETVWRFINNATVENSVHLHG 150
136 SFSRAAFDGAEDITEFGSFKDYYPNRQSARTLWYHDHAMHTAENAYR 185
151 SPSRAPFDGAEDVITFPGEYKDYFFPNYQSARLLWYHDHAFMKTAEAYF 200
186 GQAGLYMLTDPADALNLP SGYGEFDIPMLTSKOYTANGNLVTINGELN 235
201 GQAGAYIINDEAEDALGLPSGYGEFDIPLILTAKYNNADGTLRSTEGEDQ 250
236 SFWGDIVHVNQQFWPFKNVEPRKYRFRFLDAAVSRSGLYFADTDAIDTR 285
251 DLWGDIVHVNQQFWPFLNVQPRKYRFRFLNAAVSRALLYLVRTSSPNVR 300
286 LPFKVIASDSGLLEHPADTSLLYISMAERYEVVDFSDYAGKTIELRNLG 335
301 IPFQVIASDAGLLQAPVQTSNLYLAVAERYETIIDFTNFAGQTLDLRNV. 349
336 GSIGGIGITDIDYINIDKVMRFVADDTTQPDTSVVPANLRDVPFSPPTIN 385
350 AEINDVGDEDEYARTLEV MRVVS SGIVE.DNSQVPSTLRDVPFPPHKEG 398
386 .TPRQFRFRGTGPTWTINGVAFADVQNRLLANVPVGIVERWELINAGNGW 434
399 PADKHFKFERSNGHYLINDVGFADVNERVLAKPELGIVEWELNSSGGW 448
435 THPIHIHLVDFKVISRTSGNNARTVMPYES.GLKDVWVWLGRRRETWVEAH 483
449 SHPVHIHLVDFKILKRTGGRG..QVMPYESAGLKDVWVWLGRETILTIEAH 496
484 YAPFFGVYMFHCHNLIHEDHIMMAAFNATVLPDYGYNATVFVDPMEELWQ 533
497 YQFWIGAYMWHCHNLIHEDNDMMAVFNVTAMEEKGYLQEDFEDPMNPKWR 546
534 ARPVELGEFQAQSQQFSVQAVTERIQTMAEYRFPYAAADE..... 572
547 AVPYNRNDFHARACNFSAESITARVQELAEQEPYNRLDEILEDLGTEE 594

Figure 8 7

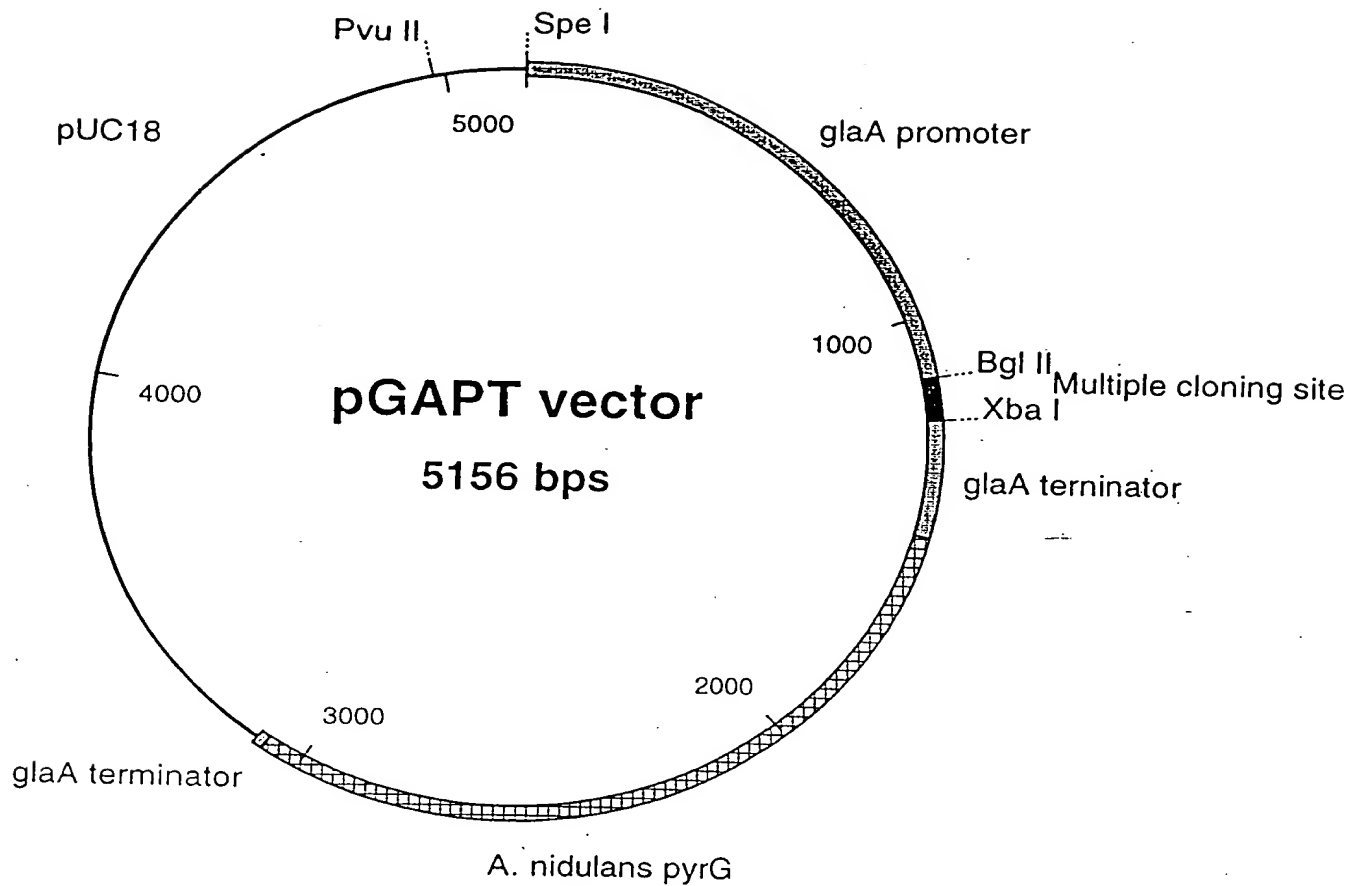


Figure 8

AGATCTAATA	TGCTGTTCAA	GTCATGGCAA	CTGGCAGCAG	CCTCCGGGCT	CCTGICTGGA	60
GTCCTCGGCA	TCCCGATGGA	CACCGGCAGC	CACCCCATTTG	AGGCTGTTGA	TCCCGAAGTG	120
AAGACTGAGG	TCTTCGCTGA	CTCCCTCCTT	GCTGCAGCAG	GCGATGACGA	CTGGGAGTCA	180
CCTCCATACA	ACTTGCCTTA	CAGGTGAGAC	ACCTGTCCCA	CCTGTTTTTC	CTCGATAACT	240
AACTCTTATA	GGAATGCCCT	GCCAATTCCA	CCTGTCAAGC	AGCCCAAGAT	GTATGTCCTT	300
GATTTTTCTAC	GAAGCAACTC	GGCCCCGACT	AATGTATTCT	AGGATCATT	CCAACCCCTGT	360
CACCGGCAAG	GACATTTGGT	ACTATGAGAT	CGAGATCAAG	CCATTTTCAGC	AAAGGGTGAG	420
TTTGCTCAGA	AACCTTGTGG	TAATTAAATCA	TTGTTACTGA	CCCTTTTCAGA	TTTACCCAC	480
CTTGCGCCCT	GCCACTCTCG	TCGGCTACGA	TGGCATGAGC	CCTGGTCCCTA	CTTTCAATGT	540
TCCCAGAGGA	ACAGAGACTG	TAGTTAGGTT	CATCAACAAT	GCCACCGTGG	AGAACTCGGT	600
CCATCTGCAC	GGCTCCCCAT	CGCGTGCCCC	TTTCGATGGT	TGGGCTGAAG	ATGTGACCTT	660
CCCTGGCGAG	TACAAGGATT	ACTACTTTCC	CAACTACCAA	TCCGCCCGCC	TTCTGTGGTA	720
CCATGACCAC	GCTTTTCATGA	AGGTATGCTA	CGAGCCTTTA	TCTTTCTTGG	CTACCTTTGG	780
CTAACCAACT	TCCTTTTCGTA	GACTGCTGAG	AATGCCTACT	TTGGTCAGGC	TGGCGCCTAC	840
ATTATCAACG	ACGAGGCTGA	GGATGCTCTC	GGTCTTCCTA	GTGGCTATGG	CGAGTTTCGAT	900
ATCCCTCTGA	TCCTGACGGC	CAAGTACTAT	AACGCCGATG	GTACCCTGCG	TTTCGACCGAG	960
GGTGAGGACC	AGGACCTGTG	GGGAGATGTC	ATCCATGTCA	ACGGACAGCC	ATGGCCTTTC	1020
CTTAACGTCC	AGCCCCGCAA	GTACCGTTTC	CGATTCTCTA	ACGCTGCCGT	GTCTCGTGCT	1080
TGGCTCCTCT	ACCTCGTCAG	GACCAGCTCT	CCCAACGTCA	GAATTCCTTT	CCAAGTCATT	1140
GCCTCTGATG	CTGGTCTCCT	TCAAGCCCCC	GTTTCAGACCT	CTAACCTCTA	CCTTGCTGTT	1200
GCCGAGCGTT	ACGAGATCAT	TATTGGTATG	CCCTCCCCCTC	TCACGAATGA	GTCAAGAACT	1260
CTAAGACTAA	CACCTTGTAGA	CTTCACCAAC	TTTGCTGGCC	AGACTCTTGA	CCTGCGCAAC	1320
GTGCTGAGA	CCAACGATGT	CGGCGACGAG	GATGAGTACG	CTCGCACTCT	CGAGGTGATG	1380
CGCTTCGTGG	TCAGCTCTGG	CACTGTTGAG	GACAACAGCC	AGGTCCCCCTC	CACCTCTCCGT	1440
GACGTTCCCTT	TCCCTCCTCA	CAAGGAAGGC	CCCGCCGACA	AGCACTTCAA	GTTTGAACGC	1500
AGCAACGGAC	ACTACCTGAT	CAACGATGTT	GGCTTTTGCCG	ATGTCAATGA	GCGTGTCCCTG	1560
GCCAAGCCCG	AGCTCGGCAC	CGTTGAGGTC	TGGGAGCTCG	AGAACTCCTC	TGGAGGCTGG	1620
AGCCACCCCG	TCCACATTCA	CCTTGTTGAC	TTCAAGATCC	TCAAGCGAAC	TGGTGGTTCGT	1680
GGCCAGGTCA	TGCCCTACGA	GTCTGCTGGT	CTTAAGGATG	TCGTCTGGTT	GGGCAGGGGT	1740
GAGACCTTGA	CCATCGAGGC	CCACTACCAA	CCCTGGACTG	GAGCTTACAT	GTGGCACTGT	1800
CACAACCTCA	TTACAGAGGA	TAACGACATG	ATGGCTGTAT	TCAACGTAC	CGCCATGGAG	1860
GAGAAGGGAT	ATCTTCAGGA	GGACTTCGAG	GACCCCATGA	ACCCCAAGTG	GCGCGCCGTT	1920
CCTTACAACC	GCAACGACTT	CCATGCTCGC	GCTGGAAACT	TCTCCGCCGA	GTCCATCACT	1980
GCCCGAGTGC	AGGAGCTGGC	CGAGCAGGAG	CCGTACAACC	GCCTCGATGA	GATCCTGGAG	2040
GATCTTGGA	TCGAGGAGTA	GTCTAGA				2067

Figure 8 9

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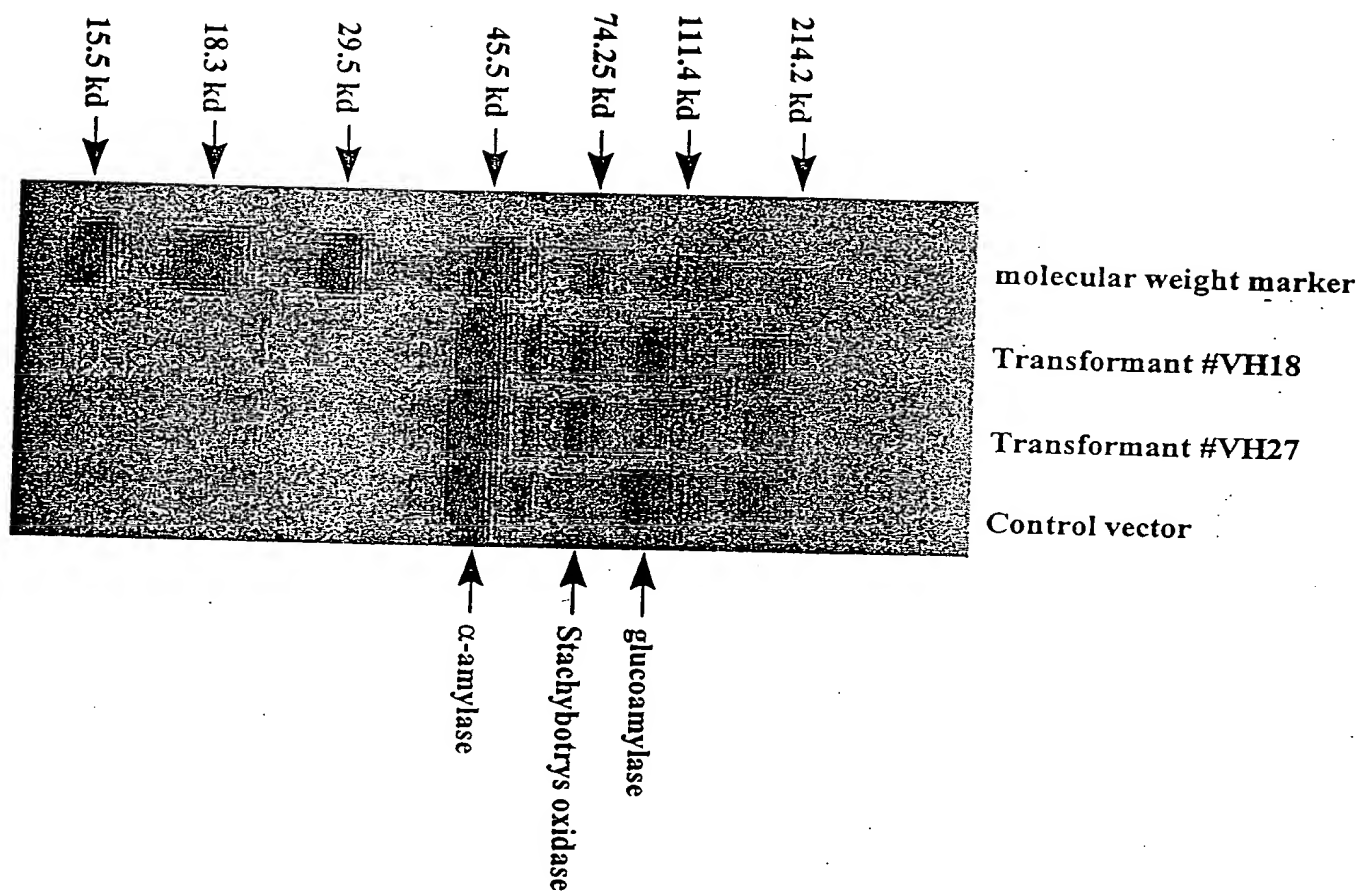


Figure 6 10